



Geon™ Vinyl Flexible D8500

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Low Gloss		
Forms	• Pellets		
Processing Method	• Extrusion		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.47	1.47	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	1400 psi	9.65 MPa	ASTM D638
Tensile Strength ² (Break)	1700 psi	11.7 MPa	ASTM D638
Tensile Elongation ² (Break)	260 %	260 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ³	340 lbf/in	59.5 kN/m	ASTM D624
Compression Set (73°F (23°C), 22 hr)	40 %	40 %	ASTM D395
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	85	85	
Shore A, 15 sec	78	78	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-15.0 °F	-26.1 °C	ASTM D746

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	345 to 355 °F	174 to 179 °C

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)

³ Die C, 20 in/min (510 mm/min)